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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/714,573	11/14/2003	Martin Brunotte	OST-031201	1789
22876	7590 06/07/2004		EXAMINER	
FACTOR & LAKE, LTD 1327 W. WASHINGTON BLVD. SUITE 5G/H CHICAGO, IL 60607			RUTLEDGE	E, DELLA J
			ART UNIT	PAPER NUMBER
			2851	
			DATE MAIL ED: 06/07/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summary		10/714,573	BRUNOTTE ET AL.			
		Examiner	Art Unit			
		D. Rutledge	2851			
The MAILING DATE of this communication appears on the c ver sheet with the correspondence address Peri d for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1)	Responsive to communication(s) filed on	_ ·				
2a) <u></u> □	This action is FINAL . 2b) ☑ This	action is non-final.				
3)	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
	closed in accordance with the practice under E	Ex parte Quayle, 1935 C.D. 11, 45	63 O.G. 213.			
Dispositi	on of Claims					
5)⊠ 6)⊠ 7)⊠	 4) Claim(s) 1-51 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 49 and 50 is/are allowed. 6) Claim(s) 19,11-19,46, and 51 is/are rejected. 7) Claim(s) 10,20-45,47 and 48 is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 					
Applicati	on Papers					
10) 🗆 -	The specification is objected to by the Examine The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex	epted or b) objected to by the Eddrawing(s) be held in abeyance. See tion is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).			
Priority u	inder 35 II S C & 119					
Priority under 35 U.S.C. § 119 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) ☐ All b) ☐ Some * c) ☐ None of: 1. ☐ Certified copies of the priority documents have been received. 2. ☐ Certified copies of the priority documents have been received in Application No 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.						
Attachment						
2)	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date <u>3 & 5/04</u> .	4) Interview Summary (Paper No(s)/Mail Da 5) Notice of Informal Pa 6) Other:				

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DETAILED ACTION

Priority

1. Acknowledgment is made of applicant's claim for foreign priority based on an application filed in WIPO on 04 May 2004. It is noted, however, that applicant has not filed a certified copy of the PCT/EPO2/04900 application as required by 35 U.S.C. 119(b).

Claim Objection

2. Claim 51 is objected to because of a minor spelling error, "pro jection".

Claim Rejections - 35 USC § 112

- 3. The following is a quotation of the second paragraph of 35 U.S.C. 112:
 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 4. Claim 51 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 51 is purported to be a method claim, but there are no steps disclosed for the method.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the

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applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 1 – 9, 11 – 19, and 46 are rejected under 35 U.S.C. 102(b) as being anticipated by McGuire (US 2003/0086171).

McGuire has a method of reducing aberrations in a projection exposure apparatus for microlithography which inherently has a light source, an illumination system, mask and object positioning means and a projection lens. The method may be used in optical systems having a wavelength of less than 248 nm and even as low a 157 nm (see paragraph [0260]) and having a numerical aperture of 0.60 – 0.90 or even higher (see col. 4, lines 1 – 5). Fig. 46 shows an optical element 510 which is a 90° polarization rotator with a zero thickness to compensate for birefringence. The possible material composition of the birefringent lens is given in paragraph [0260]. The rotators may be made of quartz (see paragraph [0197]). The system may comprise more than one manifold (see paragraph [0258]). The reference suggest wedges, such an which element would have a locally varying thickness.

Allowable Subject Matter

- 7. Claims 10, 20 45, 47, and 48 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 8. The following is a statement of reasons for the indication of allowable subject matter: The correction means is not a final lens and is not stress induced position dependent element.

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Response Data

Any inquiry concerning this communication or earlier communications from the examiner should be directed to D. Rutledge whose telephone number is (571) 272-2127. The examiner can normally be reached on Mon - Thurs, 6:00 AM - 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Russell Adams can be reached on (571) 272-2851. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

D. Rutledge Primary Examiner

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dr 5/29/2004